

Code: CE4T5

**II B.Tech - II Semester – Regular Examinations - JUNE 2014**

**BUILDING PLANNING AND DRAWING  
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

**PART - A**

Answer any THREE questions. All questions carry equal marks

1. Differentiate the following
  - (i) Circulation with ventilation in building 5 M
  - (ii) Water supply with sanitation 5 M
  - (iii) Aspect with Prospect 4 M
  
2. a) Describe the concept of built up area and its limitations. 7 M
- b) What are the principals under lying building by-laws? 7 M
  
3. Write down the characteristics of various types of residential buildings. 14 M
  
4. Write the importance and necessity in planning of office building. 14 M

5. Write the importance and necessity in planning of bank building? 14 M

**PART - B**

Answer any ONE question.

6. a) Draw a line plan for residential building having verandah, living room, kitchen, bedroom and W/C & bath. Show appropriate dimension, labeling and position of door & window. 14 M
- b) Draw the neat sketch of one and half brick wall for an English bond? 14 M
7. Plan a residential building on a plot size of  $9.25 \text{ m} \times 15 \text{ m}$  with all necessary amenities. Provide at least one bed room on the ground floor. Percent built up area allowed is 80 percent and FAR is 1.8. Draw plan and sectional elevation. 28 M